

⚠ WARNING



Electrical Shock Hazard

Disconnect power before servicing.

Replace all panels before operating.

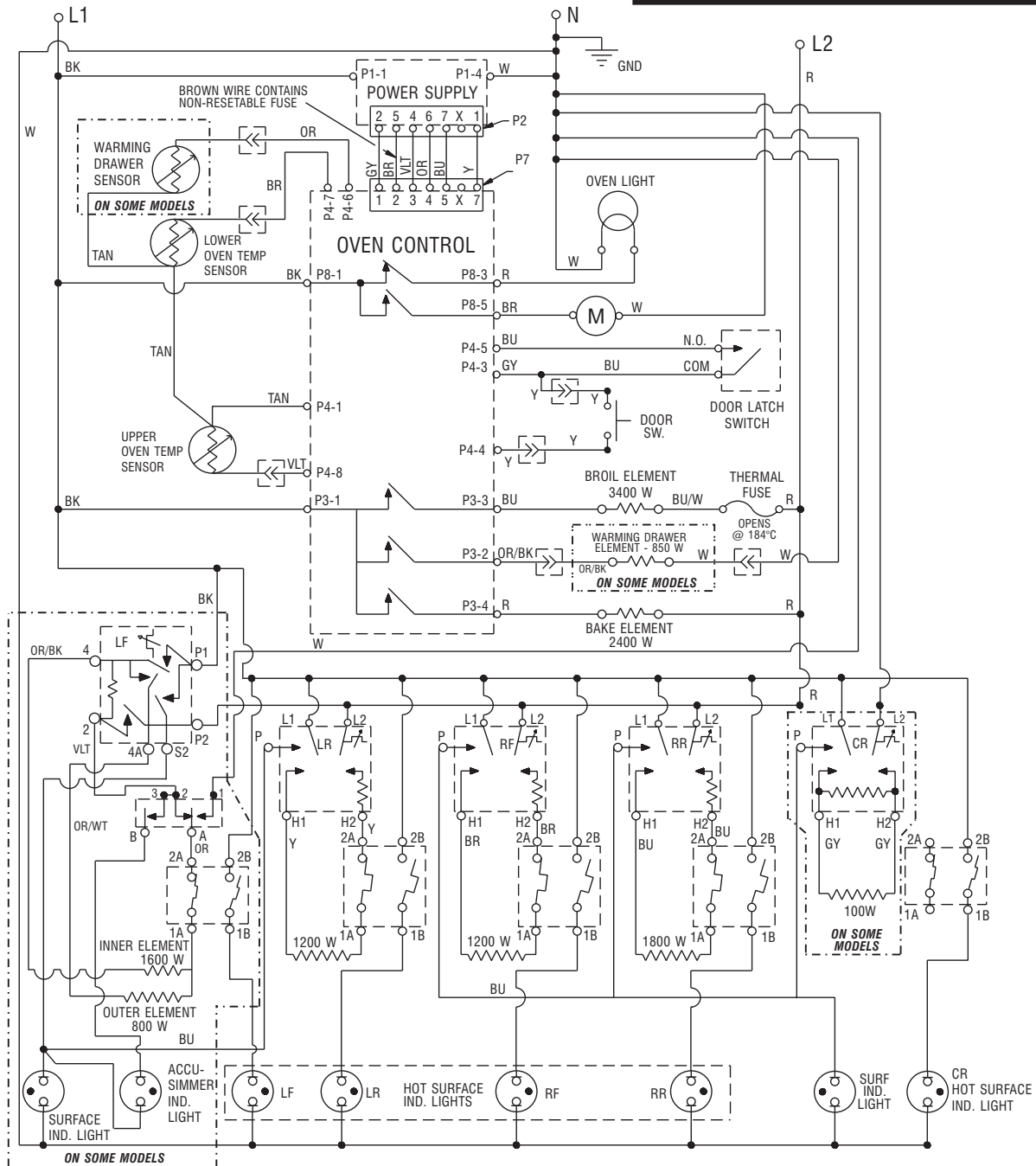
Failure to do so can result in death or electrical shock.

NOTES: Schematic shows door latch switch in the cook position with the oven door open, and elements off.

MANUFACTURED UNDER ONE OR MORE
OF THE FOLLOWING U. S. PATENTS:

3,659,578	3,877,460	4,467,184
3,788,300	4,102,322	4,565,967
3,832,988	4,364,589	4,613,739

OTHER PATENTS PENDING.



DIAGNOSTICS

Disconnect power and perform the following checks:

- The most common cause for control failure is corrosion on connectors. Therefore, disconnecting and reconnecting wires will be necessary throughout test procedures.
- Check all connections before replacing components, looking for broken or loose wires, failed terminals, or wires not pressed into connectors far enough.
- All tests/checks should be made with a VOM or DVM having a sensitivity of 20,000 ohms per volt DC or greater.
- Voltage checks must be made with all connectors attached to the boards.
- Resistance checks **must** be made with power cord unplugged from outlet, and with wiring harness or connectors **disconnected**.

Temperature Adjustment

- Press and hold BAKE pad for five (5) seconds. Current offset, if any, is shown in 3-digit display.

CAL is shown in 4-digit display (3 digits on right).

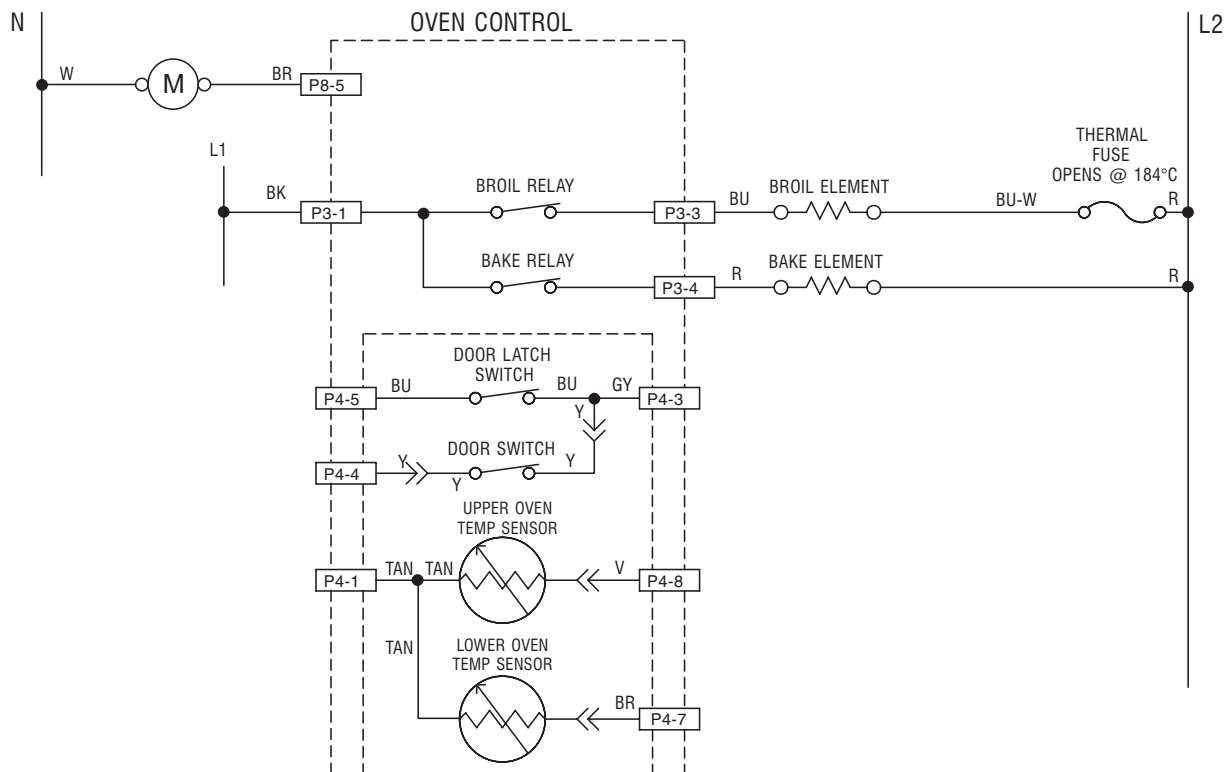
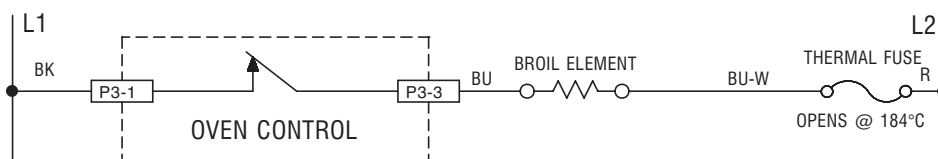
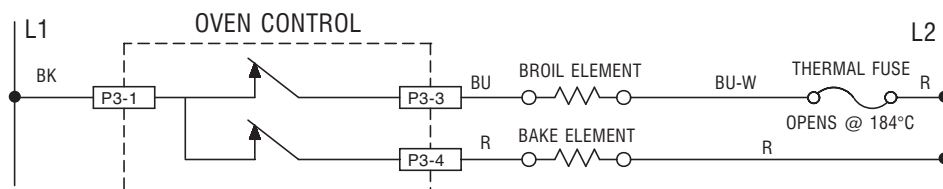
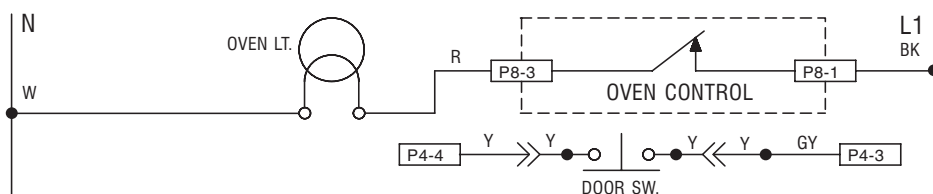
- Pressing the TEMP pad "up" arrow (▲) adjusts the temperature in 10°F increments in the following sequence: 0°; 10°; 20°; 30°; -30°; -20°; -10°; 0°; and so on.
- Press START/ENTER pad to activate the desired temperature adjustment. If the START/ENTER pad is not pressed within 5 minutes, adjustment is ignored.
- BAKE temperature adjustment cannot result in operating temperatures higher than 525°F or lower than 170°F, as measured at oven cavity center.
- Once the BAKE temperature has been adjusted, BROIL temperatures are automatically offset to the same degree.
- CLEAN temperature is also offset automatically when BAKE temperature is adjusted. If BAKE temperature has been raised, CLEAN temperature is offset +5°F. If BAKE temperature has been lowered, CLEAN temperature is offset -5°F.

FAILURE/ERROR DISPLAY CODES

4-DIGIT DISPLAY	3-DIGIT DISPLAY	LIKELY FAILURE CONDITION	SUGGESTED CORRECTIVE ACTION PROCEDURE
F0	E0	Factory default - not an error.	No action required.
F1	E0	EEPROM communications error	<ol style="list-style-type: none"> 1. Verify failure if not displayed, using CANCEL/OFF key. Press key for 5 seconds until last error code is displayed. 2. Disconnect power longer than 30 seconds. 3. Re-apply power and observe for longer than 1 minute. 4. If failure remains, disconnect power, replace control.
	E1	EEPROM checksum error	
	E2	UL A/D error(s)	
	E4	Model ID error	
F2	E6	Latch signal mismatch error	<ol style="list-style-type: none"> 1. Verify failure if not displayed, using CANCEL/OFF key. Press for 5 seconds. 2. Disconnect power. 3. If applicable, ensure membrane tail is seated in connector on back of control. 4. Re-apply power and observe for longer than 1 minute. 5. If failure remains, disconnect power, replace control.
	E0	Shorted key	
	E1	Key tail unplugged	
F3	E0	Oven sensor opened - Top	<ol style="list-style-type: none"> 1. Measure sensor value (between connector pins) between 1000 Ω @ 32° F and 2697 Ω @ 900° F (room temperature approx. = 1080 Ω). If measurement does not correlate to real temperature, disconnect power, replace sensor and refer to steps 3-5. Also measure from sensor connector to sensor casing for possible short. 2. Trace wires and connectors to sensor from control, then from sensor back to control. If all connections are made and no wire damage, refer to step 3. 3. Disconnect power longer than 30 seconds. 4. Re-apply power and observe for longer than 1 minute. 5. If failure remains, disconnect power, replace control, then go back to step 4.
	E1	Oven sensor shorted - Top	
	E2	Bake range over temperature	
	E3	Clean range over temperature	
	E4	Oven sensor opened - Bottom	
	E5	Oven sensor shorted - Bottom	
F3	E6	Warming drawer sensor open	<ol style="list-style-type: none"> 1. Same corrective action as for other F3 codes, with the exception that the warming drawer resistance value at room temperature is approx. 100k Ω.
	E7	Warming drawer sensor shorted	
F5	E0	Door switches do not agree	<ol style="list-style-type: none"> 1. Disconnect power from unit. 2. Check wires and connectors from control to door switch, then from door switch to control. 3. If no damage to wires or connector, replace door switch. 4. Re-apply power. 5. Press CANCEL PROGRAM and start the clean mode, and observe for one minute to ensure that operation is normal.
F5	E1	Door latch not operating	<ol style="list-style-type: none"> 1. Verify error code by pressing and holding CANCEL/OFF key for 5 seconds. Momentarily (less than 5 sec.) press CANCEL key again to remove error code display. 2. Program and start the Clean mode. Observe to see if door locks. If it does not, inspect the locking mechanism from the solenoid to the latch pawl and door to find the cause of the problem. If the door is not locking, then 1 minute from the start of the Clean, the F5 E1 code will again be displayed. Press CANCEL key to remove error code display. 3. Once any mechanical problems with the latch mechanism have been corrected, program and start a Clean cycle (after, if necessary, clearing F5 E1 error code) to ensure proper operation of the door lock. Immediately cancel the Clean mode to observe proper operation of door unlock.
F8	E0	N/A	N/A

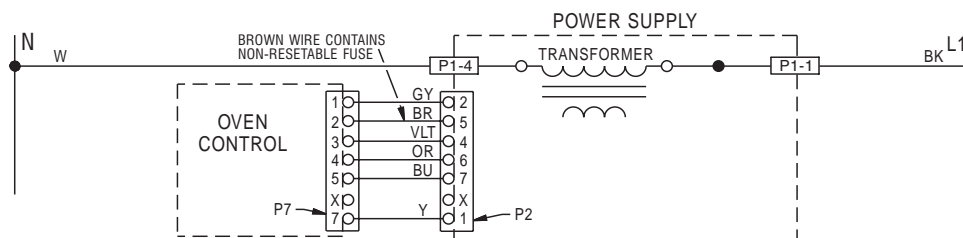
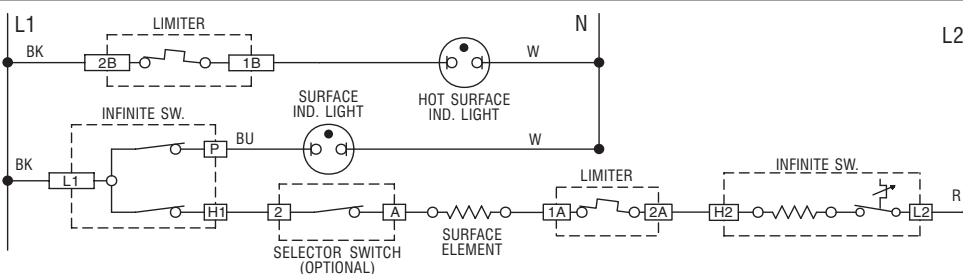
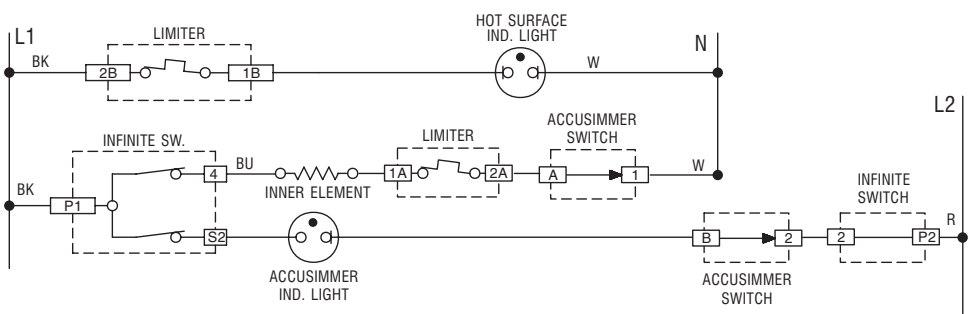
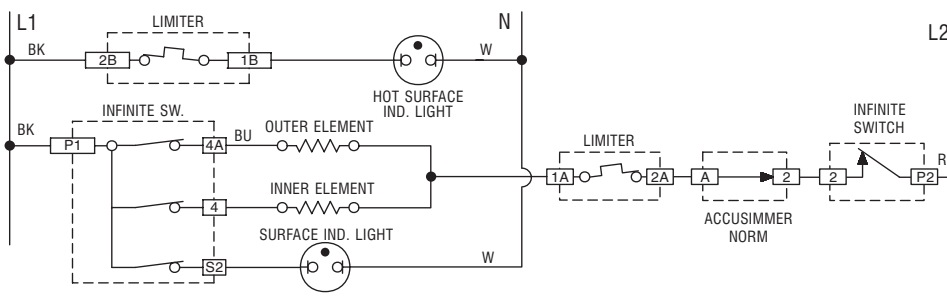
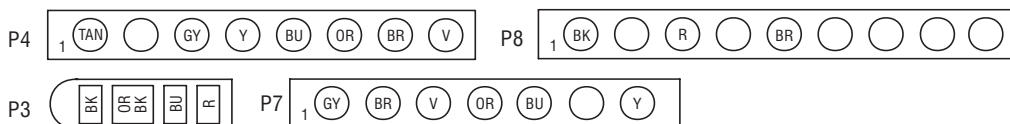
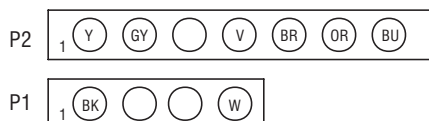
STRIP CIRCUITS

The following individual circuits are for use in diagnosis.
Before starting diagnosis, check the line voltage and for blown fuses.

CLEAN**BROIL****BAKE****OVEN LIGHT**

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The following individual circuits are for use in diagnosis.
Before starting diagnosis, check the line voltage and for blown fuses.

**CLOCK DISPLAY
ON****SURFACE UNIT
(TYPICAL)****SURFACE UNIT
(ACCUSIMMER)****SURFACE UNIT
(DUAL)****QUICK DISCONNECT
PLUGS (for Control)****QUICK DISCONNECT PLUGS (for Power Supply)****PART NO. 8522647 REV. A**

NOTE: This sheet contains important
 Technical Service Data

**FOR SERVICE TECHNICIAN ONLY
 DO NOT REMOVE OR DESTROY**